80-H (1978)

Bro File

3430 BIOLOGICAL EVALUATION R4-80-4

SAWTOOTH NATIONAL FOREST TWIN FALLS RANGER DISTRICT 1978

Rating Lodgepole Pine Stands for Mountain Pine Beetle Hazard

Prepared by Arland C. Valcarce, Max M. Ollieu, Entomologists, Boise Field Office, Forest Insect and Disease Management, David J. McClymonds and Gary Kaiser, Forestry Technicians, Sawtooth National Forest.

RATING LODGEPOLE PINE STANDS FOR MOUNTAIN PINE BEETLE HAZARD

Twin Falls Ranger District Sawtooth National Forest

1978

INTRODUCTION

Mountain pine beetle is the major cause of mortality to large diameter lodgepole pine. Relating to timber production the method of reducing mountain pine beetle losses in unmanaged old growth stands is to place those stands under management. This is the land managers basic problem and will continue to be until the land base for commercial timber production is determined and the first logging entry accomplished. Management would possibly mean those alternatives shown in (1) "Guidelines for reducing losses of lodgepole pine to the mountain pine beetle in unmanaged stands in the Rock Mountains," Amman, et al., and (2) "Management of lodgepole pine to reduce losses from the mountain pine beetle," Safranyik, et al.

RISK RATING METHODS

Within lodgepole pine stands the five factors of elevation, latitude, tree age, diameter and phloem thickness are considered for indicating risk to mountain pine beetle infestation. On the Cassia Division lodgepole pine stands occur essentially at the same latitude, are within a 1,000 foot elevational range, are relatively old age, and contain relatively thick phloem. Therefore, as other factors are similar, risk has been assigned on the basis of diameter (dbh) alone. This is the most meaningful parameter relating to risk and one that is attained during normal timber cruising so these data are available without additional measurements for risk rating lodgepole pine stands in sequence for priority logging-utilization management.

Average diameter, considering trees 5" dbh and larger, of lodgepole pine in all sawtimber stands within all compartments on the Cassia Division were computed from compartment inventory data and each stand was risk rated for mountain pine beetle damage potential in the attached table pages 1 through 13.

Compartment #049 is used as an example to illustrate a priority logging sequence by stands within the compartment, Figure 1. Stands numbered 27 and 81 are very high risk (red) and would be cut first or along with high risk stands 4, 6, 11, 18, 23, 24, 28, 30, 33, 37, 40, 45, 46, 60, 65, 66 and 68 (yellow). Moderate (blue) and low-risk stands (green) could be stored on the stump for future management.

LODGEPOLE PINE DWARF MISTLETOE

Dwarf mistletoe infection levels should be used along with beetle risk levels to choose logging priorities. These ratings can in most cases be determined from compartment exam cruise data.

Table 1. Lodgepole Pine Risk Ratings of Cassia Division Stands by DBH.

Key (Risk Level)

dbh

9.0 - 12.9"

5.0 -

7.0 -

	risk rating				
6,9"	O <u>LOW</u>				
8.9"	1 MODERATE				

HIGH

13.0 - 14.9" 4 <u>VERY</u> HIGH

2 & 3.

> 15.0" 5 EXTREME

1 (Moderate)

1 (Moderate) cont'd...

COMPARTMENT #001	(COMPARTMENT #002)	COMPARTMENT #004		
Stand Risk Rating 43 5 (Extreme) 05 4 (Very High) 47 4 (Very High) 50 4 (Very High) 03 3 (High) 27 3 (High) 54 3 (High) 07 2 (High) 14 2 (High) 18 2 (High) 26 2 (High) 53 2 (High)	Stand Risk Rating 35 1 (Moderate) 39 1 (Moderate) 47 1 (Moderate) 50 1 (Moderate) 55 1 (Moderate) 65 1 (Moderate) 12 0 (Low) 36 0 (Low) 52 0 (Low) 67 0 (Low)	Stand Risk Rating 25		
04 1 (Moderate) 72 1 (Moderate) 02 0 (Low) 10 0 (Low)	COMPARTMENT #003 Stand Risk Rating 13 5 (Extreme)	39 2 (High) 42 2 (High) 46 2 (High) 50 2 (High)		
COMPARTMENT #002	04	56 2 (High) 65 2 (High) 01 1 (Moderate) 08 1 (Moderate)		
Stand Risk Rating 26 4 (Very High) 11 3 (High) 14 3 (High) 15 3 (High) 27 3 (High) 28 3 (High) 29 2 (High) 29 2 (High) 29 2 (High) 29 2 (High) 49 2 (High) 51 2 (High) 61 2 (High) 62 2 (High) 63 2 (High) 60 2 (High) 61 2 (High) 61 2 (High) 62 2 (High) 63 1 (Moderate) 17 1 (Moderate) 19 1 (Moderate)	36 3 (High) 40 3 (High) 44 3 (High) 55 3 (High) 09 2 (High) 24 2 (High) 33 2 (High) 34 2 (High) 47 2 (High) 03 1 (Moderate) 43 1 (Moderate) 43 1 (Moderate) 51 1 (Moderate) 52 0 (Low) 53 0 (Low) 54 0 (Low) 55 0 (Low) 56 0 (Low)	09 1 (Moderate) 15 1 (Moderate) 16 1 (Moderate) 29 1 (Moderate) 33 1 (Moderate) 45 1 (Moderate) 47 1 (Moderate) 48 1 (Moderate) 52 1 (Moderate) 53 1 (Moderate) 60 1 (Moderate) 60 1 (Moderate) 03 0 (Low) 11 0 (Low) 17 0 (Low) 64 0 (Low)		

COMPAR	TMENT #005	COMPAR	TMENT #006	(COMPARTMENT #007)
Stand 02	Risk Rating 4 (Very High)	Stand 18	Risk Rating 3 (High)	Stand Risk Rating 55 3 (High)
08	4 (Very High)	30	3 (High)	• •
64	4 (Very High)	11	2 (High)	, _C ,
05	3 (High)	14	2 (High)	, 0,
15	3 (High)	26	2 (High)	
16	3 (High)	. 31	2 (High)	, 0,
17	3 (High)	38	2 (High)	• •
18	3 (High)	01	1 (Moderate)	
19	3 (High)	03	1 (Moderate)	·
21	3 (High)	08	1 (Moderate)	• •
07	2 (High)	12	1 (Moderate)	
10	2 (High)	15	1 (Moderate)	1 2
12	2 (High)	16	1 (Moderate)	
13	2 (High)	19	1 (Moderate)	1 0 /
14	2 (High)	20	1 (Moderate)	1 5
29	2 (High)	21	1 (Moderate)	, ,
33	2 (High)	22	1 (Moderate)	
45	2 (High)	25	1 (Moderate)	
46	2 (High)	32	1 (Moderate)	•
56	2 (High)	33	1 (Moderate)	• • • • • • •
58	2 (High)	40	1 (Moderate)	51 1 (Moderate) 52 1 (Moderate)
77	2 (High)	04	0 (Low)	59 1 (Moderate)
79	2 (High)	05	0 (Low)	72 1 (Moderate)
03	1 (Moderate)	06	0 (Low)	73 1 (Moderate)
04	1 (Moderate)	07	0 (Low)	95 0 (Low)
06	1 (Moderate)	09	0 (Low)	90 (TOM)
09	1 (Moderate)	23	O (Low)	COMPARTMENT # 008
11	1 (Moderate)	24	O (Low)	OOTH THEFT III
20	1 (Moderate)	28	0 (Low)	Stand Risk Rating
23	1 (Moderate)	29	0 (Low)	02 5 (Extreme)
24	1 (Moderate)	35	O (Low)	16 5 (Extreme)
25	1 (Moderate)	37	O (Low)	34 5 (Extreme)
35	1 (Moderate)			03 4 (Very High)
36	1 (Moderate)	COMPAR	IMENT #007	17 3 (High)
38	1 (Moderate)			43 3 (High)
39	1 (Moderate)	Stand	Risk Rating	48 3 (High)
43	1 (Moderate)	13	5 (Extreme)	68 3 (High)
49	1 (Moderate)	29	5 (Extreme)	70 3 (High)
78	1 (Moderate)	63	5 (Extreme)	71 3 (High)
01	0 (Low)	02	4 (Very High)	18 2 (High)
31	0 (Low)	08	4 (Very High)	27 2 (High)
34	0 (Low)	10	4 (Very High)	28 2 (High)
40	0 (Low)	53	4 (Very High)	47 2 (High)
41	0 (Low)	04	、3(High)	01 1 (Moderate)
42	0 (Low)	16	3 (High)	31 1 (Moderate)
48	0 (Low)	17	3 (High)	33 1 (Moderate)
53	0 (Low)	18	3 (High)	22 0 (Low)
54	0 (Low)	19	3 (High)	
55 60	0 (Low)	32	3 (High)	
60	0 (Low)	35	3 (High)	
		• •••	cont'd	

COMPARTMENT	#009	COMPARTMENT	#010	(COMPARTMENT	Г #013)
15 3 23 3 43 3 46 3 59 3 66 3 06 2 08 2 11 2 26 2 33 2 37 2	(High)	47 49 40 50 41 27 42 42 43 20 88 20 29 10 30 11 34 11 46 11 82 1	Rating (Extreme) (Very High) (Very High) (High) (High) (High) (High) (Moderate) (Moderate) (Moderate) (Moderate) (Moderate) (Moderate)	Stand Rist 27 1 29 1 32 1 36 1 44 1 60 1 33 0 34 0 35 0 61 0	(Rating (Moderate) (Moderate) (Moderate) (Moderate) (Moderate) (Low) (Low) (Low) (Low) (Low) (Low)
68 2 98 2 1 07 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(High) (Moderate) (Low) (Low) (Low) (Low)	64 5 60 4 75 2 01 1 65 1 66 1 71 1 72 0 COMPARTMENT NO LPP EXA THIS TIM COMPARTMENT Stand Risk 42 5 31 4 25 2 38 2 43 2 45 2 55 2 58 2 14 1 19 1 22 1	#011 Rating (Extreme) (Very High) (High) (Moderate) (Moderate) (Moderate) (Low) #012 MINED AT ME.	23 28 43 49 54 19 32 32 33 62 24 24 24 24 24 24 25 27 47 52 05 15 27 33 48 50 51	(Very High) (Very High) (Very High) (Very High) (Very High) (Very High) (High) (Moderate)
×		24 1 26 1	(Moderate) (Moderate) cont'd		

COMPAR	TMENT	#015	(COMPAR	TMENT	#016)	(COMPAR	RTMENT #017)
Stand		Rating	Stand		Rating	Stand	Risk Rating
11	5	•	60	2	(High)	13	1 (Moderate)
12	5	·	13	1	(Moderate)	21	1 (Moderate)
26	4		20	1	(Moderate)	29	1 (Moderate)
90	Ft.		34	1	(Moderate)	33	1 (Moderate)
77	3	(High)	35	1	(Moderate)	40	1 (Moderate)
81	3	(High)	37	1	(Moderate)	43	1 (Moderate)
. 85	3	(High)	38	1	(Moderate)	46	1 (Moderate)
20	2	(High)	40	1	(Moderate)	47	1 (Moderate)
24	2	(High)	41	1	(Moderate)	50	1 (Moderate)
25	2	(High)	42	1	(Moderate)	51	1 (Moderate)
46	2	(High)	44	1		54	1 (Moderate)
47	2	(High)	52	1	(Moderate)	56	1 (Moderate)
51	2	(High)	56		(Moderate)	57	1 (Moderate)
55	`2	(High)	27		(Low)	59	1 (Moderate)
61	2	(High)	32		(Low)	63	1 (Moderate)
78	2	(High)	33		(Low)	69	1 (Moderate)
80		(High)	43	0	(Low)	78	1 (Moderate)
84	2	(High)		· ·	(LON)	01	0 (Low)
27	1	(Moderate)	COMPAR	TMENT	#017	01	0 (Low)
28	1	(Moderate)		2 2 1 2 2 1 2	11011	41	-
50	1	(Moderate)	Stand	Risk	Rating		0 (Low)
52	1	(Moderate)	30	5	(Extreme)	42	0 (Low)
			37	4	(Very High)	44 52	0 (Low)
			08	3	(High)	53 67	0 (Low)
COMPAR	TMENT	#016	16	3	(High)	67	0 (Low)
***************************************			74	3	(High)	76	0 (Low)
Stand	Risk	Rating	06		(High)	COMPAD	mwaxa 4040
04	5	(Extreme)	07		(High)	COMPAR	TMENT #018
01	4	(Very High)	12	2	(High)	O+ 1	m* 1 m i *
02	3	(High)	14	2	(High)	Stand	Risk Rating
36	3	(High)	15	2	(High)	58	5 (Extreme)
63		(High)	20	2		12	2 (High)
64		(High)	31			15	2 (High)
06	2	(High)	32	2	(High) (High)	17	2 (High)
09	2	(High)	36	2	(High)	28	2 (High)
11	2	(High)	39		(High)	39	2 (High)
12	2	(High)	55			66	2 (High)
1.6	2	(High)	60		(High)	05	1 (Moderate)
18	2	(High)	62		(High)	08	1 (Moderate)
21	2	(High)	66		(High)	16	1 (Moderate)
24	2	(High)	68		(High)	23	1 (Moderate)
26	2	(High)			(High)	24	1 (Moderate)
30	2	(High)	71		(High)	27	1 (Moderate)
46	2	(High)	82		(High)	31	1 (Moderate)
47	2	(High)	03		(Moderate)	34	1 (Moderate)
48	2	(High)	04 0.5		(Moderate)	59	1 (Moderate)
51	2	(High)	05		(Moderate)	61	1 (Moderate)
21	4	cont'd	09	1	(Moderate) cont'd	71	1 (Moderate) cont'd

Stand Risk Rating 25	(COMPARTMENT #018)	COMPARTMENT #021	(COMPARTMENT #025)
19			
29	• 090	25 4 (Very High)	
36		COMPARISON II COO	
THO		COMPARTMENT #022	
THIS TIME. 24		NO STATE OF A STATE AS	
COMPARTMENT # 019			
Stand Risk Rating Stand 12 5 (Extreme) 73 1 (Moderate)	72 0 (Low)	THIS TIME.	
Stand Risk Rating Stand Risk Rating 73 1 (Moderate)	OOME A DEPARTMENT III OA O	COMPARENTE #600	
Stand Risk Rating Stand Risk Rating 73 1 (Moderate)	COMPARTMENT # 019	COMPARTMENT #023	
38	Chand Dial Dating	Charle Diele Datina	
39			· · · · · · · · · · · · · · · · · · ·
32 3 (High) 35 4 (Very High) 11 2 (High) 35 4 (Very High) 12 (High) 38 4 (Very High) 23 2 (High) 39 3 (High) 39 3 (High) 29 2 (High) 17 2 (High) 0.7 4 (Very High) 37 2 (High) 34 2 (High) 34 2 (High) 37 2 (High) 34 2 (High) 37 2 (High) 34 2 (High) 37 2 (High) 32 2 (High) 20 3 (High) 31 4 2 (High) 32 1 (Moderate) 22 3 (High) 34 3 (High) 35 3 (High) 34 3 (High) 35 3 (High) 34 3 (High) 35 3 (High) 35 3 (High) 36 3 (High) 36 3 (High) 36 3 (High) 36 3 (High) 37 3 (High) 38 3 (High) 39 3 (High) 31 1 (Moderate) 39 3 (High) 31 1 (Moderate) 39 4 (Very High) 76 3 (High) 35 1 (Moderate) 45 4 (Very High) 76 3 (High) 36 1 (Moderate) 45 4 (Very High) 76 3 (High) 36 1 (Moderate) 16 2 (High) 32 2 (High) 36 1 (Moderate) 36 1 (Moderate) 37 1 (Moderate) 37 2 (High) 38 3 (High) 39 3 (High) 30 3 (High) 30 2 (High) 30 2 (High) 30 2 (High) 30 3 (High) 30 2 (High) 30 3 (High) 30		, , , , , , , , , , , , , , , , , , , ,	•
46 3 (High) 35 4 (Very High) 11 2 (High) 38 4 (Very High) 23 2 (High) 38 4 (Very High) 29 2 (High) 17 2 (High) 70 4 (Very High) 37 2 (High) 22 2 (High) 17 4 (Very High) 37 2 (High) 34 2 (High) 34 2 (High) 37 4 (Very High) 37 4 (High) 42 2 (High) 43 2 (High) 32 1 (Moderate) 22 3 (High) 36 0 (Low) 30 3 (High) 36 0 (Low) 30 3 (High) 36 1 (Moderate) 37 3 (High) 36 1 (Moderate) 37 3 (High) 37 3 (High) 38 1 (Moderate) 39 3 (High) 36 1 (Moderate) 39 3 (High) 37 3 (High) 37 3 (High) 38 1 (Moderate) 45 4 (Very High) 76 3 (High) 36 1 (Moderate) 36 1 (Moderate) 36 1 (Moderate) 37 3 (High) 38 3 (High) 38 3 (High) 39 3 (High) 39 3 (High) 39 3 (High) 30 3			26 (CLOW)
11	. 3		
23			COMPANIENT HARA
29 2 (High) 17 2 (High) Stand Risk Rating 4 (Very High) 34 2 (High) 17 4 (Very High) 34 2 (High) 32 3 (High) 32 3 (High) 33 3 (High) 34 3 (High) 35 2 (High) 36 0 (Low) 30 3 (High) 36 3 (High) 37 3 (High) 38 3 (High) 39 3 (High) 36 1 (Moderate) 5 (High) 5 (Moderate) 5 (High) 5 (Moderate) 19		• • •	COMPARTMENT #026
34		_	
37 2 (High) 34 2 (High) 17 4 (Very High) 41 2 (High) 42 2 (High) 20 3 (High) 43 2 (High) 32 1 (Moderate) 22 3 (High) 34 3 (High) 35 2 (High) 36 0 (Low) 30 3 (High) 35 2 (High) 36 0 (Low) 30 3 (High) 35 2 (High) 36 0 (Low) 30 3 (High) 36 3 (High) 36 3 (High) 37 3 (High) 38 3 (High) 39 3 (High) 39 3 (High) 31 1 (Moderate) 37 4 (Very High) 76 3 (High) 31 1 (Moderate) 45 4 (Very High) 76 3 (High) 35 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 46 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 01 1 (Moderate) 05 2 (High) 56 1 (Moderate) 09 2 (High) 57 1 (Moderate) 01 1 (Moderate) 05 2 (High) 57 1 (Moderate) 01 5 (Extreme) 21 2 (High) 23 0 (Low) 01 5 (Extreme) 21 2 (High) 24 2 (High) 25 3 (High) 33 0 (Low) 01 5 (Extreme) 21 2 (High) 25 3 (High) 35 4 (Very High) 37 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 36 4 (High) 37 3 (High) 38 4 (High) 39 3 (High) 39 2 (High) 39 3 (High) 30 2 (High) 30 3 (High) 30 2 (High) 30 3 (_	
#1 2 (High) #2 2 (High) 20 3 (High) #3 2 (High) 32 1 (Moderate) 22 3 (High) #4 2 (High) 36 0 (Low) 30 3 (High) 55 2 (High) 34 3 (High) 58 2 (High) COMPARTMENT #024 37 3 (High) 61 2 (High) 39 3 (High) 61 2 (High) 39 3 (High) 61 1 (Moderate) 5tand Risk Rating 64 3 (High) 62 1 (Moderate) 19 4 (Very High) 76 3 (High) 63 1 (Moderate) 45 4 (Very High) 83 3 (High) 63 1 (Moderate) 16 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 01 1 (Moderate) 05 2 (High) 51 1 (Moderate) 01 1 (Moderate) 05 2 (High) 52 1 (Moderate) 09 2 (High) 53 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) O1 5 (Extreme) 21 2 (High) COMPARTMENT #020 02 3 (High) 32 2 (High) COMPARTMENT #020 02 3 (High) 42 2 (High) Stand Risk Rating 38 3 (High) 42 2 (High) Stand Risk Rating 38 3 (High) 45 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 33 4 (Very High) 67 3 (High) 46 2 (High) 03 3 (High) 47 2 (High) 03 3 (High) 48 2 (High) 04 3 (High) 45 2 (High) 05 3 (High) 46 2 (High) 06 3 (High) 50 2 (High) 50 2 (High) 21 3 (High) 27 2 (High) 50 2 (High) 33 3 (High) 27 2 (High) 50 2 (High) 34 2 (High) 33 2 (High) 50 2 (High) 35 4 (Wery High) 67 3 (High) 50 2 (High) 29 3 (High) 27 2 (High) 50 2 (High) 31 3 (High) 27 2 (High) 50 2 (High) 32 4 (High) 33 2 (High) 50 2 (High) 33 4 (Moderate) 34 2 (High) 56 2 (High) 34 2 (High) 36 2 (High) 57 2 (High) 35 4 (Moderate) 34 2 (High) 56 2 (High) 36 1 (Moderate) 36 2 (High) 57 2 (High) 37 2 (High) 38 1 (Moderate) 37 2 (High) 57 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High)			• •
#3 2 (High) 32 1 (Moderate) 22 3 (High) #44 2 (High) 36 0 (Low) 30 3 (High) 55 2 (High) 58 2 (High) COMPARTMENT #024 37 3 (High) 61 2 (High) 39 3 (High) 61 1 (Moderate) Stand Risk Rating 64 3 (High) 63 1 (Moderate) 45 4 (Very High) 65 3 (High) 63 1 (Moderate) 45 4 (Very High) 76 3 (High) 63 1 (Moderate) 16 2 (High) 02 2 (High) 64 1 (Moderate) 01 1 (Moderate) 05 2 (High) 65 1 (Moderate) 01 1 (Moderate) 05 2 (High) 66 1 (Moderate) 01 1 (Moderate) 05 2 (High) 67 1 (Moderate) 09 2 (High) 68 1 (Moderate) 01 1 (Moderate) 09 2 (High) 69 1 (Moderate) 01 1 (Moderate) 09 2 (High) 60 1 (Moderate) 15 2 (High) 60 1 (Moderate) 20 2 3 (High) 32 2 (High) 60 3 0 (Low) 3 (High) 32 2 (High) 60 4 (Very High) 32 2 (High) 60 1 (Moderate) 4 (Very High) 32 2 (High) 60 1 (Moderate) 5 (High) 42 2 (High) 60 1 (Moderate) 6 (High) 67 3 (High) 45 2 (High) 60 3 3 (High) 76 3 (High) 45 2 (High) 61 22 3 (High) 67 3 (High) 46 2 (High) 62 3 (High) 67 3 (High) 46 2 (High) 63 3 (High) 67 3 (High) 46 2 (High) 63 3 (High) 67 3 (High) 46 2 (High) 64 2 (High) 65 3 (High) 67 3 (High) 50 2 (High) 66 3 (High) 51 2 (High) 67 3 (High) 51 2 (High) 68 4 (High) 69 3 (High) 27 2 (High) 51 2 (High) 60 3 3 (High) 27 2 (High) 51 2 (High) 60 3 4 (Moderate) 34 2 (High) 56 2 (High) 60 3 4 (Moderate) 34 2 (High) 57 2 (High) 60 3 4 (Moderate) 34 2 (High) 56 2 (High) 60 3 4 (Moderate) 34 2 (High) 56 2 (High) 60 3 4 (Moderate) 36 2 (High) 57 2 (High) 60 39 1 (Moderate) 36 2 (High) 57 2 (High) 60 39 1 (Moderate) 36 2 (High) 57 2 (High) 60 39 1 (Moderate) 36 2 (High) 57 2 (High) 60 39 1 (Moderate) 36 2 (High) 57 2 (High) 60 30 4 (High) 41 2 (High) 60 2 (High)		—	3
## 2 (High) 36 0 (Low) 30 3 (High) 55 2 (High) 34 3 (High) 55 2 (High) 34 3 (High) 58 2 (High) 61 2 (High) 61 2 (High) 39 3 (High) 61 1 (Moderate) 52 (High) 39 3 (High) 61 1 (Moderate) 61 19 4 (Very High) 61 3 (High) 61 1 (Moderate) 62 (High) 63 1 1 (Moderate) 63 1 1 (Moderate) 64 3 (High) 65 1 (Moderate) 65 1 (Moderate) 65 1 (Moderate) 66 2 (High) 67 1 (Moderate) 67 1 (Moderate) 68 1 (Moderate) 69 2 (High) 60 1 (Moderate) 60 2 (High) 60 1 (Moderate) 60 2 (High) 60 1 (Moderate) 60 1 (Moderate) 60 2 (High) 60 1 (Moderate) 70 (High) 70 1 1 (Migh) 70 1 1 (Migh) 70 1 1 (Migh) 70			. 9 .
S5	-		
58 2 (High) COMPARTMENT #024 37 3 (High) 61 2 (High) 39 3 (High) 05 1 (Moderate) Stand Risk Rating 64 3 (High) 31 1 (Moderate) 19 4 (Very High) 76 3 (High) 35 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 16 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 06 2 (High) 09 2 (High) 56 1 (Moderate) 09 2 (High) 09 2 (High) 60 1 (Moderate) 15 2 (High) 15 2 (High) 33 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 04 4 (Very High) 32 2 (High) <		30 (TOM)	. 5 .
61 2 (High) 05 1 (Moderate) Stand Risk Rating 64 3 (High) 31 1 (Moderate) 19 4 (Very High) 76 3 (High) 35 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 01 1 (Moderate) 05 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 01 1 (Moderate) 05 2 (High) 51 1 (Moderate) 01 1 (Moderate) 09 2 (High) 52 1 (Moderate) 09 2 (High) 53 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 01 5 (Extreme) 21 2 (High) 53 0 (Low) 02 3 (High) 32 2 (High) 54 (Very High) 32 2 (High) 55 (Extreme) 33 3 (High) 42 2 (High) 56 1 (Moderate) 01 5 (Extreme) 21 2 (High) 57 1 (Moderate) 01 5 (Extreme) 21 2 (High) 58 0 (Low) 01 5 (Extreme) 21 2 (High) 59 0 (Low) 01 5 (Extreme) 21 2 (High) 50 01 5 (Extreme) 01 4 (Very High) 01 42 2 (High) 50 02 3 (High) 42 2 (High) 51 03 3 (High) 42 2 (High) 52 5 (Extreme) 44 3 (High) 45 2 (High) 53 6 4 (Very High) 67 3 (High) 45 2 (High) 53 6 4 (Very High) 67 3 (High) 46 2 (High) 50 7 3 (High) 76 3 (High) 47 2 (High) 51 02 3 (High) 76 3 (High) 47 2 (High) 52 03 3 (High) 25 2 (High) 50 2 (High) 53 3 3 (High) 25 2 (High) 50 2 (High) 54 2 (High) 55 2 (High) 50 2 (High) 56 2 (High) 57 2 (High) 58 1 (Moderate) 34 2 (High) 50 2 (High) 59 1 (Moderate) 36 2 (High) 57 2 (High) 59 1 (Moderate) 36 2 (High) 57 2 (High) 59 1 (Moderate) 36 2 (High) 57 2 (High)		COMPAREMENT #OOH	
05 1 (Moderate) Stand Risk Rating 64 3 (High) 31 1 (Moderate) 19 4 (Very High) 76 3 (High) 35 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 16 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 06 2 (High) 09 2 (High) 56 1 (Moderate) 09 2 (High) 09 2 (High) 60 1 (Moderate) 15 2 (High) 15 2 (High) 33 0 (Low) Stand Risk Rating 19 2 (High) 33 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 01 5 (Extreme) 21 2 (High) 60 1 (Moderate) 02 3 (High) 33 2 (High) 60 2 (Extreme) 03 3	. 3	COMPARIMENT #024	, , ,
31 1 (Moderate) 19 4 (Very High) 76 3 (High) 35 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 16 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 09 2 (High) 56 1 (Moderate) 09 2 (High) 57 1 (Moderate) 09 2 (High) 60 1 (Moderate) 15 (High) 60 2 (High) 60 3 0 (Low) 61 5 (Extreme) 21 (High) 61 5 (Extreme) 21 (High) 62 6 (High) 33 2 (High) 63 3 (High) 33 2 (High) 64 4 (Very High) 32 2 (High) 65 4 (Very High) 67 3 (High) 45 2 (High) 66 2 (High) 67 3 (High) 46 2 (High) 68 4 (Very High) 67 3 (High) 47 2 (High) 69 3 (High) 65 2 (High) 48 2 (High) 69 3 (High) 23 2 (High) 50 2 (High) 69 3 (High) 25 2 (High) 50 2 (High) 60 3 3 (High) 27 2 (High) 50 2 (High) 60 3 3 (High) 33 2 (High) 50 2 (High) 60 3 3 (High) 33 2 (High) 51 2 (High) 61 34 2 (High) 33 2 (High) 55 2 (High) 62 3 1 (Moderate) 34 2 (High) 56 2 (High) 63 1 (Moderate) 34 2 (High) 57 2 (High) 64 2 (High) 65 2 (High) 57 2 (High) 66 2 (High) 67 3 (High) 56 2 (High) 68 1 (Moderate) 36 2 (High) 57 2 (High) 69 1 (Moderate) 36 2 (High) 57 2 (High) 60 2 (High)	9	Stand Dick Dating	
35 1 (Moderate) 45 4 (Very High) 83 3 (High) 36 1 (Moderate) 16 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 06 2 (High) 56 1 (Moderate) 09 2 (High) 57 1 (Moderate) 09 2 (High) 60 1 (Moderate) 15 2 (High) 33 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 01 5 (Extreme) 21 2 (High) 53 0 (Low) 02 3 (High) 32 2 (High) COMPARTMENT #020 02 3 (High) 33 2 (High) COMPARTMENT #020 02 3 (High) 42 2 (High) Stand Risk Rating 38 3 (High) 42 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 46 2 (High) 03 3 (High) 46 2 (High) 03 3 (High) 46 2 (High) 04 4 (Very High) 47 2 (High) 05 4 (Very High) 67 3 (High) 48 2 (High) 06 4 (High) 48 2 (High) 07 5 (Extreme) 49 3 (High) 49 40 (High) 08 3 3 (High) 67 3 (High) 47 2 (High) 09 3 3 (High) 67 3 (High) 50 2 (High) 10 3 3 (High) 67 3 (High) 50 2 (High) 11 3 3 3 (High) 27 2 (High) 50 2 (High) 12 3 (High) 25 2 (High) 51 2 (High) 13 3 3 (High) 27 2 (High) 51 2 (High) 14 2 (High) 36 2 (High) 57 2 (High) 15 2 (High) 16 2 (High) 57 2 (High) 17 3 4 (Moderate) 36 2 (High) 57 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High)			
36 1 (Moderate) 16 2 (High) 02 2 (High) 40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 06 2 (High) 56 1 (Moderate) 09 2 (High) 57 1 (Moderate) 09 2 (High) 60 1 (Moderate) 15 2 (High) 61 2 (High) 62 3 (High) 32 2 (High) 63 3 (High) 33 2 (High) 64 2 (High) 65 4 (Very High) 67 3 (High) 45 2 (High) 67 3 (High) 45 2 (High) 68 4 (Very High) 67 3 (High) 46 2 (High) 69 3 (High) 67 3 (High) 47 2 (High) 60 3 3 (High) 67 3 (High) 48 2 (High) 60 3 3 (High) 65 2 (High) 50 2 (High) 60 3 3 (High) 23 2 (High) 50 2 (High) 61 3 3 3 (High) 27 2 (High) 51 2 (High) 62 3 (High) 27 2 (High) 51 2 (High) 63 3 3 (High) 27 2 (High) 51 2 (High) 63 3 4 2 (High) 33 2 (High) 54 2 (High) 64 3 4 2 (High) 56 2 (High) 65 3 4 (Moderate) 34 2 (High) 56 2 (High) 66 2 (High) 67 3 (High) 57 2 (High) 68 1 (Moderate) 36 2 (High) 57 2 (High) 69 2 (High) 60 2 (High) 60 2 (High) 60 2 (High)			\ Q /
40 1 (Moderate) 01 1 (Moderate) 05 2 (High) 50 1 (Moderate) 06 2 (High) 56 1 (Moderate) 09 2 (High) 57 1 (Moderate) COMPARTEMNT #025 14 2 (High) 60 1 (Moderate) 15 2 (High) 33 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 01 5 (Extreme) 21 2 (High) 53 0 (Low) 02 3 (High) 32 2 (High) 60 1 (Moderate) 04 4 (Very High) 32 2 (High) 04 4 (Very High) 33 2 (High) 33 2 (High) 05 2 (Extreme) 02 3 (High) 42 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High)			
50 1 (Moderate) 06 2 (High) 56 1 (Moderate) 09 2 (High) 57 1 (Moderate) COMPARTEMNT #025 14 2 (High) 60 1 (Moderate) 15 2 (High) 33 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 01 5 (Extreme) 21 2 (High) 53 0 (Low) 02 3 (High) 32 2 (High) 60 1 (Moderate) 04 4 (Very High) 32 2 (High) 60 1 (Low) 02 3 (High) 33 2 (High) 60 1 (Low) 04 4 (Very High) 33 2 (High) 60 2 (High) 33 3 (High) 42 2 (High) 8 3 (High) 42 3 (High) 44 2 (High) 8 4 (Very High) 67 3 (High) 45 2 (High) 9 3 (High) 76 3 (High) 47 2 (High) 9 3 (High) 23 2 (High) 50 <td< td=""><td></td><td>--</td><td>, 0,</td></td<>		- -	, 0,
56		or remoderate)	. 9
57 1 (Moderate)			
60 1 (Moderate) 33 0 (Low) 53 0 (Low) 60 1 5 (Extreme) 60 1 (Moderate) 60 1 5 (Extreme) 70 1 5 (Extreme) 70 2 2 (High) 70 2 3 (High) 70 3 3 (High) 71 3 (High) 72 3 (High) 73 3 (High) 74 4 (Migh) 75 4 (Migh) 75 5 (High) 75 7 (High) 75 8 (High) 75 9 3 (Hig	•	COMPARTEMNT #025	
33 0 (Low) Stand Risk Rating 19 2 (High) 53 0 (Low) 01 5 (Extreme) 21 2 (High) 04 4 (Very High) 32 2 (High) COMPARTMENT #020 02 3 (High) 33 2 (High) Stand Risk Rating 38 3 (High) 42 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 12 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 25 2 (High) 51 2 (High) 34 2 (High) 33 2 (High) 52 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 57 2 (High)	·	COMMITTEE IN 1 1/025	
53 O (Low) O1 5 (Extreme) 21 2 (High) 04 4 (Very High) 32 2 (High) COMPARTMENT #020 02 3 (High) 33 2 (High) 03 3 (High) 42 2 (High) Stand Risk Rating 38 3 (High) 44 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 03 3 (High) 23 2 (High) 50 2 (High) 12 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) </td <td></td> <td>Stand Risk Rating</td> <td></td>		Stand Risk Rating	
COMPARTMENT #020 04 4 (Very High) 32 2 (High) 03 3 (High) 33 2 (High) Stand Risk Rating 38 3 (High) 42 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 12 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)			
COMPARTMENT #020 02 3 (High) 33 2 (High) Stand Risk Rating 38 3 (High) 42 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	, , , ,		, 0,
Stand Risk Rating 38 3 (High) 42 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	COMPARTMENT #020		• •
Stand Risk Rating 38 3 (High) 44 2 (High) 22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)			1 9 1
22 5 (Extreme) 44 3 (High) 45 2 (High) 35 4 (Very High) 67 3 (High) 46 2 (High) 02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	Stand Risk Rating		4 . 0 .
35			
02 3 (High) 76 3 (High) 47 2 (High) 03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)		•	
03 3 (High) 05 2 (High) 48 2 (High) 12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)			
12 3 (High) 23 2 (High) 50 2 (High) 29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)		• •	. 🔾 -
29 3 (High) 25 2 (High) 51 2 (High) 33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)			. 0 ,
33 3 (High) 27 2 (High) 52 2 (High) 34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	9		
34 2 (High) 33 2 (High) 54 2 (High) 38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	-		. 3
38 1 (Moderate) 34 2 (High) 56 2 (High) 39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	_		, 9 ,
39 1 (Moderate) 36 2 (High) 57 2 (High) 21 0 (Low) 41 2 (High) 60 2 (High)	_	9	
21 0 (Low) 41 2 (High) 60 2 (High)	·		,
1 0 /			, 0,

(COMPAR	RTMENT #026)	(COMPA	RTMENT	#027)	COMPAR	TMENT #029
Stand	Risk Rating	Stand	Risk	Rating	Stand	Diele Deties
61	2 (High)	33	2	(High)		Risk Rating
66	2 (High)	37	2	(High)	63	5 (Extreme)
69	2 (High)	39	2	(High)	04	4 (Very High)
77	2 (High)	44			28	3 (High)
85	2 (High)		2	(High)	30	3 (High)
86	2 (High)	49 5 8	2	(High)	45	2 (High)
08	1 (Moderate)	57 60	2	(High)	06	1 (Moderate)
11	1 (Moderate)	60	2	(High)		ž.
35		65	2	(High)		¥1
40	1 (Moderate)	66	2	(High)	COMPAR	TMENT #030
	1 (Moderate)	67	2	(High)		
41	1 (Moderate)	70	2	(High)	Stand	Risk Rating
49	1 (Moderate)	71	2	(High)	39	5 (Extreme)
53	1 (Moderate)	72	2	(High)	68	5 (Extreme)
55	1 (Moderate)	77	2	(High)	23	4 (Very High)
65	1 (Moderate)	85	2	(High)	16	3 (High)
71	1 (Moderate)	86	2	(High)	35	3 (High)
13	0 (Low)	21	1	(Moderate)	54	3 (High)
27	0 (Low)	25	1	(Moderate)	63	3 (High)
28	0 (Low)	26	1	(Moderate)	82	3 (High)
84	Not enough live	28	1	(Moderate)	85	3 (High)
	volume	29	1	(Moderate)	09	2 (High)
		30	1	(Moderate)	13	2 (High)
		34	1	(Moderate)	18	2 (High)
COMPAR	TMENT #027	36	1	(Moderate)	21	2 (High)
Stand	Risk Rating	43	1		29	2 (High)
54	5 (Extreme)	56	1	(Moderate)	32	2 (High)
87	5 (Extreme)	62	1	(Moderate)	34	
17	4 (Very High)	78	1		42	2 (High) 2 (High)
20	4 (Very High)	81		(Moderate)	43	٠٠٠٠ پ
27	4 (Very High)	82		(Moderate)	53	
46	4 (Very High)	53		(Low)	55 55	2 (High)
50	4 (Very High)	80		(Low)	56	2 (High)
12	3 (High)		•	(104)		2 (High)
15	3 (High)				57 64	2 (High)
32	3 (High)				65	2 (High)
38	3 (High)	COMPAR	TMENT	#028		2 (High)
47	3 (High)		******	11-02-0	74	2 (High)
52	3 (High)	Stand	Rick	Rating	02	1 (Moderate)
63	3 (High)	46	3	(High)	03	1 (Moderate)
74	3 (High)	47		(High)	12	1 (Moderate)
79	3 (High)	31		(High)	14	1 (Moderate)
06	2 (High)	42			17	1 (Moderate)
13	2 (High)	42 59		(High)	19	1 (Moderate)
16	2 (High)	70		(High)	27	1 (Moderate)
18	2 (High)			(High)	28	1 (Moderate)
23	2 (High)	77		(High)	30	1 (Moderate)
24	2 (High)	23		(Moderate)	33	1 (Moderate)
31	2 (High)	48		(Moderate)	37	1 (Moderate)
Υ Τ	cont'd	60	1	(Moderate)	38	1 (Moderate)
	COLL C					cont'd

(COMPARTMENT #030)	(COMPARTMENT #033)	COMPARTMENT #038
Stand Risk Rating 40 1 (Moderate) 47 1 (Moderate) 49 1 (Moderate) 51 1 (Moderate) 58 1 (Moderate)	Stand Risk Rating 06 2 (High) 15 2 (High) COMPARTMENT #034	Stand Risk Rating 22 5 (Extreme) 33 5 (Extreme) 32 4 (Very High) 14 0 (Low)
60 1 (Moderate)	\	
61 1 (Moderate) 83 1 (Moderate)	Stand Risk Rating 79 5 (Extreme)	COMPARTMENT #039
84 1 (Moderate) 90 1 (Moderate) 11 0 (Low)	65 3 (High) 36 2 (High) 41 2 (High) 67 1 (Moderate)	Stand Risk Rating 08 5 (Extreme) 35 5 (Extreme) 20 4 (Very High)
COMPARTMENT #031		29 4 (Very High)
Stand Risk Rating	COMPARTMENT #035	36 4 (Very High) 48 4 (Very High)
11 3 (High) 18 3 (High) 03 2 (High) 25 2 (High) 27 2 (High)	Stand Risk Rating 35 5 (Extreme) 30 3 (High) 54 3 (High) 38 2 (High) 36 1 (Moderate)	52 4 (Very High) 63 4 (Very High) 06 3 (High) 47 3 (High) 50 3 (High) 65 3 (High)
56 2 (High) 06 1 (Moderate) 07 1 (Moderate) 10 1 (Moderate)	COMPARTMENT #036	26 2 (High) 28 2 (High) 33 2 (High) 39 2 (High)
12 1 (Moderate) 13 1 (Moderate) 15 1 (Moderate) 17 1 (Moderate) 19 1 (Moderate) 20 1 (Moderate)	Stand Risk Rating 63 3 (High) 74 2 (High) 82 2 (High) 83 2 (High)	56 2 (High) 60 2 (High) 69 2 (High) 70 2 (High) 78 2 (High) 79 2 (High)
21 1 (Moderate) 24 1 (Moderate) 26 1 (Moderate) 49 1 (Moderate) 08 0 (Low)	65 1 (Moderate) COMPARTMENT #037	81 2 (High) 37 1 (Moderate) 54 1 (Moderate) 80 1 (Moderate)
09 0 (Low) 14 0 (Low)	Stand Risk Rating 02 5 (Extreme) 04 5 (Extreme)	COMPARTMENT #040
COMPARTMENT #032	13 4 (Very High 19 4 (Very High) 34 S (Extreme)
NO LPP STANDS IN THIS COMPARTMENT	37 4 (Very High 55 4 (Very High 06 3 (High) 11 3 (High)) 39 5 (Extreme)) 49 4 (Very High) 32 3 (High)
COMPARTMENT #033	38 3 (High)	10 2 (High) 11 2 (High)
Stand Risk Rating 03 5 (Extreme) 04 4 (Very High) 05 2 (High) cont'd	16 2 (High) 48 2 (High) 17 1 (Moderate)	16 2 (High) 23 2 (High) 25 2 (High) 31 2 (High) 35 2 (High) cont d

(COMPARTMENT #040)	(COMPARTMENT #042)	COMPARTMENT #045
Stand Risk Rating	Stand Risk Rating	Stand Risk Raitng
38 2 (High)	05 2 (High)	10 2 (High)
40 2 (High)	06 2 (High)	13 2 (High)
42 2 (High)	09 2 (High)	17 2 (High)
47 2 (High)		06 1 (Moderate)
48 2 (High)	11 2 (High)	
	20 2 (High)	· · · · · · · · · · · · · · · · · · ·
	21 2 (High)	22 1 (Moderate)
60 2 (High)	22 2 (High)	28 1 (Moderate)
02 1 (Moderate)	24 2 (High)	
07 1 (Moderate)	25 2 (High)	
21 1 (Moderate)	26 2 (High)	COMPARTMENT #046
26 1 (Moderate)	01 1 (Moderate)	
28 1 (Moderate)	07 · 1 (Moderate)	NO LPP AT THIS TIME
52 1 (Moderate)	13 1 (Moderate)	COMPLETED COMP.
55 1 (Moderate)	27 1 (Moderate)	
56 1 (Moderate)	37 0 (Low)	COMPARTMENT #047
59 1 (Moderate)	, , , ,	
		Stand Risk Rating
	COMPARTMENT #043	37 2 (High)
		04 1 (Moderate)
COMPARTMENT #041	Stand Risk Rating	14 1 (Moderate)
	13 5 (Extreme)	,,
Stand Risk Rating	55 3 (High)	
53 · 5 (Extreme)	06 2 (High)	COMPARTMENT #048
57 5 (Extreme)	10 2 (High)	001111111111111111111111111111111111111
46 3 (High)	72 2 (High)	Stand Risk Rating
51 3 (High)		58 5 (Extreme)
58 3 (High)	· · · · · · · · · · · · · · · ·	
60 3 (High)	25 1 (Moderate)	
63 3 (High)	26 1 (Moderate)	• • •
67 3 (High)	57 1 (Moderate)	35 3 (High)
69 3 (High)	08 0 (Low)	43 3 (High)
		50 3 (High)
		04 2 (High)
43 2 (High)	COMPARTMENT #044	05 2 (High)
50 2 (High)		12 2 (High)
62 2 (High)	Stand Risk Rating	18 2 (High)
- 22 1 (Moderate)	48 4 (Very High)	19 2 (High)
38 1 (Moderate)		
	13 3 (High)	22 2 (High)
47 1 (Moderate)		22 2 (High) 23 2 (High)
49 1 (Moderate)	13 3 (High)	22 2 (High) 23 2 (High) 26 2 (High)
49 1 (Moderate) 66 1 (Moderate)	13 3 (High) 14 3 (High)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High)
49 1 (Moderate)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High)
49 1 (Moderate) 66 1 (Moderate)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High)
49 1 (Moderate) 66 1 (Moderate)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High)
49 1 (Moderate) 66 1 (Moderate)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High)
49 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate)
49 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate) 07 1 (Moderate)
49 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate) COMPARTMENT #042 Stand Risk Rating	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate) 07 1 (Moderate) 09 1 (Moderate) 11 1 (Moderate)
#9 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate) COMPARTMENT #042 Stand Risk Rating 33 4 (Very High)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate) 07 1 (Moderate) 09 1 (Moderate) 11 1 (Moderate)
#9 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate) COMPARTMENT #042 Stand Risk Rating 33 + (Very High) 34 + (Very High)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate) 07 1 (Moderate) 09 1 (Moderate) 11 1 (Moderate) 16 1 (Moderate) 21 1 (Moderate)
#9 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate) COMPARTMENT #042 Stand Risk Rating 33 + (Very High) 34 + (Very High) 18 3 (High)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate) 07 1 (Moderate) 09 1 (Moderate) 11 1 (Moderate) 16 1 (Moderate) 21 1 (Moderate) 31 1 (Moderate)
#9 1 (Moderate) 66 1 (Moderate) 68 1 (Moderate) COMPARTMENT #042 Stand Risk Rating 33 + (Very High) 34 + (Very High)	13 3 (High) 14 3 (High) 19 3 (High) 21 2 (High) 34 2 (High) 35 1 (Moderate) 46 1 (Moderate) 47 1 (Moderate)	22 2 (High) 23 2 (High) 26 2 (High) 39 2 (High) 52 2 (High) 55 2 (High) 06 1 (Moderate) 07 1 (Moderate) 09 1 (Moderate) 11 1 (Moderate) 16 1 (Moderate) 21 1 (Moderate)

					3 , ,
(COMPARTME	ENT #0.48)	COMPAR	RTMENT #050	COMPA	RTMENT #052
Stand Ri 40 02 08 10	sk Rating 1 (Moderate 0 (Low) 0 (Low) 0 (Low)	13 16 20 21	Risk Rating 3 (High) 2 (High) 2 (High) 2 (High) 2 (High) 2 (High)	Stand 07 55 08 34 50	Risk Rating 5 (Extreme) 5 (Extreme) 4 (Very High) 4 (Very High) 4 (Very High)
COMPARTME	NT #0+9	24 26 27	2 (High) 2 (High) 2 (High)	68 14 24	4 (Very High) 3 (High) 3 (High)
27 81 24 60 04 09 11 18 23 28	sk Rating 4 (Very Hig 4 (Very Hig 3 (High) 2 (High)	29 gh) 03 gh) 05 06 11 12 22 23 32	2 (High) 1 (Moderate)	28 44 59 18 20 22 30	3 (High) 3 (High) 3 (High) 2 (High) 2 (High) 2 (High) 2 (High) 2 (High) 1 (Moderate) 1 (Moderate)
28 337 45 668 35 678 105 115 129 139 147 149 149 150	2 (High) 1 (Moderate 1 (Moderate)	Stand 02 52 32 38 44 01 14 18 33 35 37 48 30 53 20 31 49 56 59	Risk Rating 5 (Extreme) 5 (Extreme) 3 (High) 3 (High) 2 (High) 1 (Moderate)	COMPAR Stand 12 29 01 COMPAR Stand 38 15 30 72	TMENT #053 Risk Rating 3 (High) 2 (High) 1 (Moderate) TMENT #054

(COMPART	MENT	#054)	(COMPAF	RTMENT	#056)	COMPAR	TMENT #059
Stand	Risk	Rating	Stand	Risk	Rating	Stand	Risk Rating
13	2	(High)	60	2		06	5 (Extreme)
17	2	(High)	62	2	(High)	13	
55	2	(High)	63	2	(High)	13 28	5 (Extreme) 5 (Extreme)
57	2	(High)	65	2	(High)	20 59	- (/
61	2	(High)	15	1	(Moderate)	59 61	*
71	2	(High)	19	1	(Moderate)	64	5 (Extreme) 5 (Extreme)
·` 74	2	(High)	22	1	(Moderate)	17	
77	2	(High)	26	1	(Moderate)	62	,
83	2	(High)	33	1	(Moderate)	66	
85	2	(High)	41,	1	(Moderate)	15	4 (Very High) 3 (High)
20	1	(Moderate)	56	1		18	3 (High)
39	1	(Moderate)	61	1		20	3 (High)
63	1	(Moderate)	64	1	(Moderate)	24 24	3 (High)
64		(Moderate)	66	1	(Moderate)	27	3 (High)
73	1	(Moderate)	67	1	(Moderate)	36	3 (High)
75		(Moderate)	68	0	(Low)	71	3 (High)
79	1	(Moderate)	00	•	(104)	02	2 (High)
81	1	(Moderate)	COMPAR	TMENT	#057	03	2 (High)
						11	2 (High)
			Stand	Risk	Rating	30	2 (High)
COMPART	MENT	#055	23	4	(Very High)	38	2 (High)
			45	4	(Very High)	46	2 (High)
Stand	Risk	Rating	32	3	(High)	51	2 (High)
10	5	(Extreme)	03	2	(High)	54	2 (High)
01	3	(High)	24	2	(High)	56	2 (High)
14	3	(High)	48	2	(Hiġh)	58	2 (High)
08	2	(High)	01	1	(Moderate)	60	2 (High)
12	2	(High)	02		(Moderate)	69	2 (High)
16	2	(High)	05	1		01	1 (Moderate)
11	1	(Moderate)	06	1		44	1 (Moderate)
			80	1	(Moderate)		I (110461466)
			09	1	(Moderate)		
COMPART	MENT	#056	10	1		COMPAR	TMENT #060
		· · · · · · · · · · · · · · · · · · ·	11	1	1	00111111	11
	Risk	Rating	13	1		Stand	Risk Rating
20	4	(Very High)	15	1.	(Moderate)	40	4 (Very High)
12	3	(High)	18	1	(Moderate)	03	3 (High)
38	3	(High)	19	1	(Moderate)	04	3 (High)
43		(High)	25	1	(Moderate)	26	3 (High)
47		(High)	31	1	(Moderate)	27	3 (High)
01		(High)	51	1	(Moderate)	30	3 (High)
03		(High)	66	1	(Moderate)	35	3 (High)
06		(High)				38	3 (High)
10		(High)				46	3 (High)
13		(High)	COMPAR	TMENT	#058	54	3 (High)
28		(High)				71	3 (High)
. 32		(High)	Stand	Risk	Rating	73	3 (High)
3#		(High)	23		(High)	31	2 (High)
- 48		(High)	24		(High)	58	2 (High)
53		(High)				61	2 (High)
54		(High)				64	2 (High)
58		(High)				82	2 (High)
	С	ont'd					contid

 	41 4 4	Octobra D#1.,				7-12- 1-			
(COMPAR	TMENT	#060)	(COMPAR	TMENT	#062)	((COMPAR	TMENT	#063)
Stand	Risk	Rating	Stand	Risk	Rating		Stand	ರಿಕಿಂಬ	Rating
85	2	(High)	12	2	(High)		05	1	(Moderate)
07	1	(Moderate)	13	2	(High)				
08	1	(Moderate)	17	2	(High)		06	1	(Moderate)
24	1	(Moderate)	25	2	(High)		12	1	(Moderate)
34	1	(Moderate)	28	2	(High)		14	1	(Moderate)
36	1	(Moderate)	29	2	(High)		23	1	(Moderate)
49	1	(Moderate)	38				27	1	•
70	1	(Moderate)		2	(High)		35	1	•
74	Ô	(Low)	46	2	(High)		36	1	(Moderate)
7 7	O	(HOW)	55	2	(High)		38		(Moderate)
			63	2	(High)		44	1	(Moderate)
COMPAR	 መኔፈተነእነጥ	4061	67	2	(High)		46	1	(Moderate)
COMPAR	TMEMI	#001	68	2	(High)		76	1	(Moderate)
a. 1			71	2	(High)		79		(Moderate)
Stand		Rating	78	2	(High)		19		(Low)
40	5	(Extreme)	07	1	(Moderate)		- 21	Ō	(Low)
2.7	3	(High)	10	1	(Moderate)		39	ō	(Low)
48	3	(High)	41	1	(Moderate)		0.5	Ŭ	(1011)
51	3	(High)	44	1	(Moderate)				
. 08	2	(High)	62	1	(Moderate)		COMPAR	ייז אידי אידי	40611
15	2	(High)	73	1			CONTAIN	TIME	T-004
16	2	(High)	20		(Low)		C-m-m-J	D1-	. D-#-:
19	2	(High)	60	Ō	(Low)		Stand		Rating
24	2	(High)	• •	•	(40,1)		44	5	(Extreme)
29	2	(High)					25	4	(Very High)
32	. 2	(High)	COMPAR	TMTMT	#063		47	4	(Very High)
53	2	(High)	COLLINIC	7 117711 7	<u> тооо</u>		18		(High)
04	1	(Moderate)	Stand	Dick	Rating		42		(High)
07	1	(Moderate)	13	3			10		(High)
17	1	(Moderate)			(High)		28		(High)
23	1	(Moderate)	28	3	(High)		43	2	(High)
36	1	(Moderate)	48	3	(High)		02	1	(Moderate)
41	1	(Moderate)	56	3	(High)		05	1	(Moderate)
55		(Low)	66	3	(High)		07	1	(Moderate)
)J	0	(HOW)	83		(High)		80	1	(Moderate)
			08		(High)		09	1	(Moderate)
OOME ADV	TIN COMENTAL	11000	10		(High)		12	1	(Moderate)
COMPAR'	TMFMT	#062	17		(High)		17	1	(Moderate)
0. 1			18		(High)		20	1	(Moderate)
Stand		Rating	20	2	(High)		23		(Moderate)
15		(Extreme)	24	2	(High)		29		(Moderate)
06		(Very High)	25	2	(High)		33		(Moderate)
19		(Very High)	26	2	(High)		37		(Moderate)
26	4	(Very High)	30	2	(High)		38		(Moderate)
52	14	(Very High)	. 33	2	(High)		41	1	(Moderate)
66	4	(Very High)	50		(High)			_	
05	3	(High)	52		(High)		50 01		(Moderate)
11	3	(High)	64		(High)				(Low)
24	3	(High)	65		(High)		03		(Low)
69	3	(High)	84		(High)		21		(Low)
08	2	(High)	85		(High)		31		(Low)
09	2	(High)	04		(Moderate)		45	0	(Low)
		ont'd	∪ ⊤	4	cont'd				
		— · ·			~011¢ d	•			

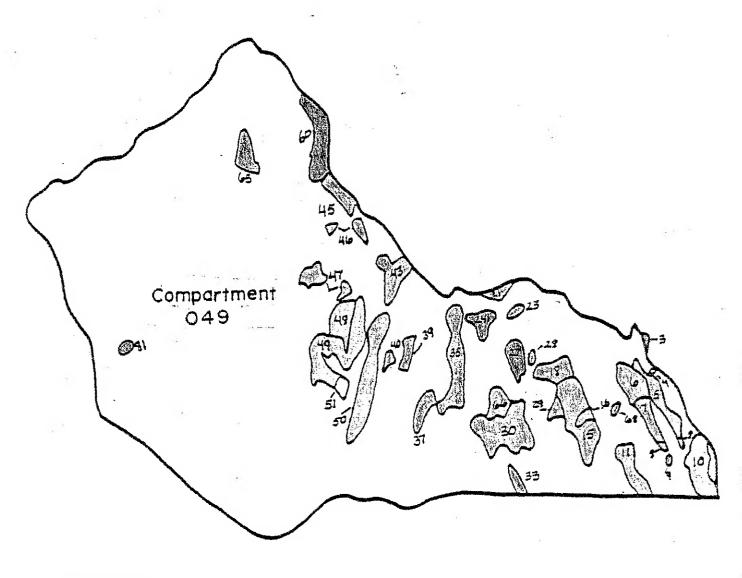
COMPARTMENT #065	(COMPAR	RTMENT	#072)	COMPAR	TMENT #074
NO LPP IN COMP.	Stand	ATT	Rating	Stand	Risk Rating
	04	2	(High)	31	5 (Extreme)
COMMA DESIGNATION // CO.	05	2	(High)	60	5 (Extreme)
COMPARTMENT #066	06		(High)	46	4 (Very High)
NO IDD GMARDS	07		(High)	37	3 (High)
NO LPP STANDS RECONED	13	2	(High)	41	3 (High)
RECONED	17	2	(High)	53	3 (High)
	18		(High)	54	3 (High)
COMBARTMENT 4067	21	2	(High)	56	3 (High)
COMPARTMENT #067	23	2	(High)	68	3 (High)
Stand Risk Rating	26 32	2	(High)	69	3 (High)
	33	2	(High)	81	3 (High)
01 3 (High) 18 3 (High)	41		(High)	83	3 (High)
13 2 (High)	01		(High) (Moderate)	84	3 (High)
06 1 (Moderate)	03		(Moderate)	12	2 (High)
11 1 (Moderate)	25		(Moderate)	23	2 (High)
i (Hoderate)	- 35		(Moderate)	. 26	2 (High)
	48		(Moderate)	30	2 (High)
COMPARTMENT #068	54		(Moderate)	45 52	2 (High)
001111111111111111111111111111111111111	47	Ō		5∠ 55	2 (High) 2 (High)
NO LPP RECONED AT		v	(404)	63	
THIS TIME			. 3	66	2 (High) 2 (High)
	COMPAR	TMENT	#073	67	2 (High)
			11070	70	2 (High)
COMPARTMENT #069	Stand	Risk	Rating	78	2 (High)
	15	4	(Very High)	89	2 (High)
NO LPP RECONED AT	28	4	(Very High)	93	2 (High)
THIS TIME.	06		(High)	95	2 (High)
	18		(High)	04	1 (Moderate)
	11	2	(High)	06	1 (Moderate)
COMPARTMENT #070	14	2	(High)	14	1 (Moderate)
	16		(High)	17	1 (Moderate)
NO LPP RECONED AT	17	2	(High)	27	1 (Moderate)
THIS TIME.	27	2	(High)	57	1 (Moderate)
	29	2	(High)	58	1 (Moderate)
	12		(Moderate)	59	1 (Moderate)
COMPARTMENT #071	25		(Moderate)	61	1 (Moderate)
	26		(Moderate)	72	1 (Moderate)
NO LPP RECONED AT	30		(Moderate)	73	1 (Moderate)
THIS TIME.	31		(Moderate)	75	1 (Moderate)
	34		(Moderate)	76	1 (Moderate)
COMPARTMENT #072	35	1	(Moderate)	79	1 (Moderate)
				85	1 (Moderate)
Stand Risk Rating				87	1 (Moderate)
28 5 (Extreme)				88	1 (Moderate)
40 5 (Extreme)				94	1 (Moderate)
15 3 (High)				97	1 (Moderate)
20 3 (High)				09	0 (Low)
22 3 (High)				13	0 (Low)
27 3 (High)				16	0 (Low)
cont'd				62	O (Low)

cont'd....

02

1 (Moderate) cont'd....

COMPAR	TMENT #075	(COMPARTMENT #076)	(COMPARTMENT #080)
Stand 07 08 10 23 02 09 19 24 26 29 31 11	Risk Rating 3 (High) 3 (High) 3 (High) 2 (High) 1 (Moderate) 21 1 (Moderate)) 52 1 (Moderate)) 56 1 (Moderate)) 04 0 (Low)))
15 20 21 22 28 18	1 (Moderate 1 (Moderate 1 (Moderate 1 (Moderate 1 (Moderate 1 (Moderate 0 (Low)) NO LPP STANDS IN COMP AT THIS TIME.	
33	0 (Low)	COMPARTMENT #078	
COMPAR Stand 87 11 20	RIMENT #076 Risk Rating 5 (Extreme) 4 (Very High)
07 18 22 25 32	3 (High) 3 (High) 3 (High) 3 (High) 3 (High)	no LPP STANDS RECONED AT THIS TIME.	
36 41 44 49 90 91 45 45 55 55 55 51	3 (High) 2 (High)	Stand Risk Rating 4 (Very High 4 (Very High	h)
61 16	2 (High) 1 (Moderate	01 1 (Moderate) 02 1 (Moderate	



Risk Rating



Very High



High



Moderate

Figure 1.--Lodgepole pine stands risk rated for potential mountain pine beetle damage. Compartment 049, Cassia Division, Twin Falls Ranger District, Sawtooth National Forest.